

## Index to Volume 25

### Authors and titles

- Abu-Serewa, S., and Karunajeewa, H.  
A comparison of methods for rehabilitating aging  
hens 320
- Anderson, G. W.  
Green *Pinus radiata* needles as a feed for sheep 524
- Armour, J. D., Laurence, R. C. N., Shepherd, R. K., Dwyer,  
M. J., and Loader, L. R.  
Calcium requirements of Virginia Bunch peanuts in the  
Mareeba-Dimbulah area of North Queensland 458
- Armour, J. D.  
See Laurence, R. C. N. 954
- Arnold, G. W., Ozanne, P. G., Galbraith, K. A., and  
Dandridge, F.  
The capeweed content of pastures in south-west Western  
Australia 117
- Arnold, G. W., Weeldenberg, J., and Grassia, A.  
Competition between Wimmera ryegrass and narrow-leaved  
lupins 824
- Axelsen, A.  
See Freer, M. 289
- Bacon, P. E.  
The effect of nitrogen application time on Calrose rice  
growth and yield in south-eastern Australia 183
- Bailey, P. J., Holland, B. J. M., and Gilbert, J. E.  
Effect of restricted access to water, hay or salt on liveweights  
of steers 249
- Barbetti, M. J.  
Infection studies with *Cercospora zebrina* on pasture  
legumes in Western Australia 850  
See Wong D. H. 574
- Barker, D. J., May, P. J., Morris, C. A., and Ridley, P. E. R.  
First calving performance of beef cattle.  
1. Effects of moderate and slow growth between weaning  
and joining at 15 months of age 270  
2. A comparison of Shorthorns and dairy  
crossbreds 276
- Barker, D. J., May, P. J., and Ridley, P. E. R.  
Urea, meat meal or lupins as nitrogen supplements to barley  
and hay diets for yearling cattle at two levels of body  
condition 257
- Barker, D. J.  
See Greathead, K. D. 497
- Barwick, S. A., Kilgour, R. J., and Gleeson, A. C.  
Ram mating performance in Border Leicesters and related  
breed types.  
1. Pen test performance and measures of testis  
diameter 9
- Barwick, S. A.  
See Kilgour, R. J. 17
- Bateman, R. J., and Walker, S. R.  
Effect of stubble cover on efficacy of some soil-incorporated  
herbicides 927
- Bell, M. J.  
Calcium nutrition of peanuts (*Arachis hypogaea* L.) on  
Cockatoo Sands of the Ord River Irrigation Area 642  
Phosphorus nutrition of peanut (*Arachis hypogaea* L.) on  
Cockatoo Sands of the Ord River Irrigation Area 649
- Best, E. K., Manning, G. K., and Grundon, N. J.  
The ability of several soil extractants to identify copper-  
responsive wheat soils 863
- Bettenay, R. A.  
Effect of growth rate and mating age of dairy heifers on  
subsequent production over four years 263
- Blackwell, J., Meyer, W. S., and Smith, R. C. G.  
Rice growth and yield under sprinkler irrigation on a free-  
draining soil 636
- Blowes, W. M., Schmalzl, K. J., and Jones, S. M.  
Effect of glyphosate on the establishment, growth and  
nodulation of 14 pasture legume cultivars 347
- Bouma, D.  
See Dowling, E. J. 331
- Bolland, M. D. A.  
Residual value for wheat of phosphorus from calciphos,  
Duchess rock phosphate and triple superphosphate on a  
lateritic soil in south-western Australia 198  
Serradella (*Ornithopus* sp): maturity range and hard seed  
studies of some strains of the five species 580  
Effect of nitrogen and cobalt application on herbage and  
seed yields of serradella and subterranean clover 588  
Effects of phosphorus on seed yields of subterranean clover,  
serradella and annual medics 595  
Assessment of methods of re-seeding subterranean clover  
near Esperance, Western Australia 886  
Effect of soil acidity and nutrient deficiencies on the growth  
and persistence of subterranean clover in pastures grown  
on sandy soils near Esperance, Western Australia 893  
Responses of serradella and subterranean clover to  
phosphorus and Duchess rock phosphate 902
- Bowdler, T. M.  
See Lowe, K. F. 82
- Bray, R. A.  
See Minson, D. J. 306
- Brownlee, H., and Denney, G. D.  
Evaluation of medics under continuous grazing with sheep  
in central-western New South Wales 311
- Burrow, H. W.  
See Rudder, T. H. 489
- Cameron, D. F., Irwin, J. A. G., and O'Brien, R. G.  
Variability in isolates of *Colletotrichum gloeosporioides*  
anthracnose diseases of *Stylosanthes* species 444
- Campbell, M. H., Dellow, J. J., Keys, M. J.,  
and Gilmour, A. R.  
Use of herbicides for selective removal of *Eragrostis curvula*  
(Schr.) Nees from a *Phalaris aquatica* pasture 665
- Campbell, M. H., and Murison, R. D.  
Effect of mixtures of tetrapion and 2,2-DPA on the control  
of serrated tussock (*Nassella trichotoma*) 672

- Carter, M. V., and Perrin, E.  
A pneumatic-powered spraying secateur for use in commercial orchards and vineyards 939
- Chin, J. F.  
See Reed, K. F. M. 351
- Chung, B.  
Effect of plant density on the sequential harvest yield of broccoli 959
- Cochrane, M. J., and Wickes, R. B.  
Nutrient losses in cereal and pasture hays stored in three types of hay packages in the open in two environments 326
- Cock, G. J.  
Moisture characteristics of irrigated Mallee soils in South Australia 209  
Soil structural conditions of vineyards under two soil management systems 450
- Cole, P. J., and McCloud, P. I.  
Salinity and climatic effects on the yield of citrus 711
- Collins, P. J.  
Resistance to grain protectants in field populations of the sawtoothed grain beetle in southern Queensland 683
- Collins, W. T.  
See Rossiter, R. C. 362
- Cooke, J. W.  
Effect of fallowing practices on runoff and soil erosion in south-eastern Australia 628
- Cooke, J. W., Ford, G. W., Dumsday, R. G., and Willatt, S. T.  
Effect of fallowing practices on the growth and yield of wheat in south-eastern Australia 614
- Cowan, R. T.  
See Davison, T. M. 505, 515
- Crocker, G. J., Sheridan, K. P., and Holford, I. C. R.  
Lucerne responses to lime and interactions with other nutrients on granite soils 337
- Croker, K. P., and Johns, M. A.  
Reproductive performance of ewes fed sweet narrow-leaved lupin seed infected with *Phomopsis leptostromiformis* 536
- Croker, K. P., Johns, M. A., and Johnson, T. J.  
Reproductive performance of Merino ewes supplemented with sweet lupin seed in southern Western Australia 21
- Cullis, B. R.  
See Hall, D. G. 758; Lemerle, D. 677
- Cutten, I. N.  
See Kleemann, D. O. 750
- Dandridge, F.  
See Arnold, G. W. 117
- Davison, T. M., Cowan, R. T., and Shepherd, R. K.  
Milk production from cows grazing on tropical grass pastures.  
2. Effects of stocking rate and level of nitrogen fertilizer on milk yield and pasture-milk relationships 515
- Davison, T. M., Cowan, R. T., Shepherd, R. K., and Martin, P.  
Milk production from cows grazing on tropical grass pastures.  
1. Effects of stocking rate and level of nitrogen fertilizer on the pasture and diet 505
- Davison, T. M., Jarrett, W. B., and Martin P.  
A comparison of four patterns of allocating maize during lactation to Friesian cows grazing tropical pastures 241
- Dear, B. S., and Zorin, Margaret  
Persistence and productivity of *Trifolium ambiguum* M. Bieb. (Caucasian clover) in a high altitude region of south-eastern Australia 124
- Deery, M. J.  
See Norton, B. W. 35
- Dellow, J. J.  
See Campbell, M. H. 665
- Denney, G. D.  
See Brownlee, H. 311
- Donnelly, J. R.  
See Freer, M. 289
- Dove, H.  
See Freer, M. 289
- Dowling, E. J., and Bouma, D.  
Field evaluation of a leaf test for assessment of the phosphorus status of subterranean clover and for prediction of its response to phosphorus 331
- Dowling, P. M.  
See Robinson, G. C. 562
- Downes, R. W.  
See Salisbury, P. A. 133
- Dumsday, R. G.  
See Cooke, J. W. 614
- Dwyer, M. J.  
See Armour, J. D., 458; Laurence, R. C. N. 954
- Eales, J. W.  
See Reed, K. F. M. 351
- Egan, K. J.  
See Watson, M. J. 771
- Emms, Y.  
See Godfrey, N. W. 791
- Fisher, J. A.  
See Lemerle, D. 677, 922
- Flinn, P. C.  
See Saul, G. R. 734
- Ford, G. W.  
See Cooke, J. W. 614
- Forde, G., Goddard, M. E., Tyler, R., Williams, G., and Toleman, M. A.  
Temperament and bruising of *Bos indicus* cross cattle 283
- Fowler, D. G.  
See Kilgour, R. J. 17
- Freer, M., Dove, H., Axelsen, A., Donnelly, J. R., and McKinney, G. T.  
Responses to supplements by weaned lambs grazing mature pasture or eating hay in yards. 289
- Fulkerson, W. J., and Michell, P.  
Production response to feeding wheat grain to milking cows 253

- Galbraith, K. A.  
See Arnold, G. W. 117
- Gallagher, E. C.  
See Redden, R. J. 470
- Gardener, C. J.  
See Vallis, I. 70
- George, D. L., and Greenaway, J. B.  
A single-head hand thresher for sunflower 654
- George D. L.  
See Greenaway, J. B. 878
- George, J. M.  
See Haughey, K. G. 541
- Gilbert, J. E.  
See Bailey, P. J. 249
- Gilmour, A. R.  
See Campbell, M. H. 665
- Gleeson, A. C.  
See Barwick, S. A. 9
- Goddard, M. E.  
See Fordyce, G. 283
- Godfrey, N. W., Mercy, A. R., Emms, Y., and Payne, H. G.  
Tolerance of growing pigs to lupin alkaloids 791
- Goodman, R. D.  
See Langridge, D. F. 220, 224, 227
- Graham, N. McC.  
See Margan, D. E. 783
- Gramshaw, D., Langdon, P. W., Lowe, K. F., and Lloyd, D. L.  
Performance of North American and Australian lucernes in the Queensland subtropics.  
1. Field reaction to important root and crown diseases 76
- Gramshaw, D.  
See Lloyd, D. L. 91; Lowe, K. F. 82
- Grassia, A.  
See Arnold, G. W. 824
- Greathead, K. D., and Barker, D. J.  
Effect of conserving annual pastures for hay on serum magnesium levels of lactating beef cows in a Mediterranean environment 497
- Greenaway, J. B. and George, D. L.  
A column winnower for small-sample seed cleaning 878
- Greenaway J. B.  
See George, D. L. 654
- Greenfield, R. G.  
See Strickland, R. W. 100
- Grimson, R. J.  
See Kleemann, D. O. 750
- Grundon, N. J.  
See Best, E. K. 863
- Gulbrandsen, B.  
Survival feeding of cattle with molasses.  
1. Feeding non-pregnant heifers with molasses plus urea and roughage 1  
2. Feeding steers with molasses/urea plus either sorghum grain (*Sorghum vulgare*) or cottonseed meal (*Gossypium hirsutum*) 4
- Haddad, K. S., and Weir, R. G.  
Influence of soil properties on the use of soil and plant zinc to predict zinc response in maize 856
- Hales, J. W.  
See Whiteman, P. C. 481
- Hall, D. G., Wolfe, E. C., and Cullis, B. R.  
Performance of breeding ewes on lucerne-subterranean clover pastures 758
- Harradine, A. R., and Jones, A. L.  
Control of gorse regrowth by Angora goats in the Tasmanian Midlands 550
- Harvey, G. L.  
See Strickland 100
- Haughey, K. G., and George, J. M., and McGuirk, B. J.  
The repeatability of rearing performance of Merino and Dorset Horn ewes and its relationship with mature pelvic size 541
- Henry, R. J.  
A comparative study of the total  $\beta$ -glucan contents of some Australian barleys 424
- Hilder, T. B.  
See Lloyd, D. L. 54, 91
- Hill, B. D.  
Persistence of temperate perennial grasses in cutting trials on the central slopes of New South Wales 832  
Yields of perennial grasses growing in mixtures with annual species and the effect of perennials on total yields 840
- Hill, Michael, J.  
Direct drilling tall fescue (*Festuca arundinacea* Schreb.) prairie grass (*Lolium multiflorum* Lam.) into kikuyu and paspalum pastures 806
- Hill, Michael J., Kay, Gabrielle, and Yeates, Stephen J.  
A comparison of the growth of seedlings of Mediterranean and temperate tall fescues, phalaris and annual ryegrass 818
- Hill, S. J., Stephenson, D. W., and Taylor, B. K.  
Almond pollination studies: pollen production and viability, flower emergence and cross-pollination tests 697
- Hinkley, R. B.  
See Lemerle, D. 677, 922
- Hodge, P. B.  
See Wood, S. J. 745
- Hodge, R. W., and Kat, C.  
The response of Merino lambs given whole wheat supplemented with urea or hay 32
- Holford, I. C. R.  
See Crocker, G. J. 337
- Holland, B. J. M.  
See Bailey, P. J. 249
- Horsnell, L. J.  
The growth of improved pastures on acid soils.  
1. The effect of superphosphate and lime on soil pH and on the establishment and growth of phalaris and lucerne 149  
2. The effect of soil incorporation of lime and phosphorus on the growth of subterranean clover and lucerne pastures and on their response to topdressing. L. J. Horsnell 157  
3. Response of lucerne to phosphate as affected by

- calcium and potassium sulfates and soil aluminium levels 557
- Hughes, R. J.  
Use of the synthetic oxycarotenoids,  $\beta$ -apo-8'-carotenoic acid ethyl ester and citranaxanthin, in diets low in natural pigments to enhance egg yolk colour 41
- Irwin, J. A. G.  
See Cameron, D. F. 444
- Jarrett, W. B.  
See Davison, T. M. 241
- Johns, M. A.  
See Croker 21, 536
- Johnson, T. J.  
See Croker 21
- Jones, A. L.  
See Harradine, A. R. 550
- Jones, S. M.  
See Blowes, W. M. 347
- Karunajeewa, H.  
See Abu-Serewa, S. 320
- Kat, C.  
See Hodge, R. W. 32
- Kaus, R. K.  
See Wythes, J. R. 727
- Kay, Gabrielle  
See Hill, Michael J. 818
- Kemp, D. R., McDonald, W. J., and Murison, R. D.  
Temporal variation in the results of soil phosphate analyses 881
- Kemp, H.  
See Pearson, Craig J. 109
- Kenney, P. A.  
Effects of lupin grain and type of cereal grain on the value of a hay supplement in the diet of lambing ewes during drought 766
- Kenney, P. A., and Smith, R. S.  
Effect of including lupins with cereal grain rations on the production of lambing ewes during drought 529
- Keys, M. J.  
See Campbell, M. H. 665
- Kilgour, R. J.  
Mating behaviour of rams in pens 298
- Kilgour, R. J., Barwick, S. A., and Fowler, D. G.  
Ram mating performance in Border Leicesters and related breed types.  
2. Comparison of the performance of rams that were sexually active and inactive in pen tests 17
- Kilgour, R. J.  
See Barwick, S. A. 9
- King, K. R.  
See Stockdale, C. R. 47
- Kirby, A. C.  
See Pearson, Craig J. 109
- Kleemann, D. O., Ponzoni, R. W., Stafford, J. E., Cutten, I. N., and Grimson, R. J.  
Growth and carcass characters of the South Australian Merino and its crosses with the Booroola and Trangie fertility Merino 750
- Klein, L.  
See Rossiter, R. C. 362
- Lambourne, L. J., and Wood, I. M.  
Nutritional quality of grain of Australian cultivars of lablab bean (*Lablab purpureus*) 169
- Langdon, P. W.  
See Gramshaw, D. 76
- Langridge, D. F., and Goodman, R. D.  
Honeybee pollination of lupins (*Lupinus albus* cv. Hamburg) 220  
Honeybee pollination of loganberries (*Rubus loganobaccus* L. H. Bailey) 224  
Honeybee pollination of Japanese plums (*Prunus salicina* Lindl. cv. Satsuma) in the Goulburn Valley, Victoria 227
- Langridge, D. F.  
See Rayner, C. J. 722
- Launders, T. E.  
See Pearson, Craig J. 109
- Laurence, R. C. N., Armour, J. D., Shepherd, R. K., Loader, L. R., and Dwyer, M. J.  
Nitrogen fertilizer requirements of irrigated potatoes on the Atherton Tableland, North Queensland 954
- Laurence, R. C. N.  
See Armour, J. D. 458
- Lloyd, D. L., Gramshaw, D., Hilder, T. B., Ludke, D. H., and Turner, J. W.  
Performance of North American and Australian lucernes in the Queensland subtropics.  
3. Yield, plant survival and aphid populations in raingrown stands 91
- Lloyd, D. L., and Hilder, T. B.  
Dry matter production by a subtropical grass (Makarikari grass) grown in association with a temperate annual legume (barrel medic) and nitrogen fertilizer in southern Queensland 54
- Lloyd, D. L.  
See Gramshaw, D. 76
- Lee, T. C.  
See Wicks, T. 705
- Lemerle, D., Leys, A. R., Hinkley, R. B., and Fisher, J. A.  
Tolerance of wheat cultivars to pre-emergence herbicides 922
- Lemerle, D., Leys, A. R., Hinkley, R. B., Fisher, J. A., and Cullis, B.  
Tolerances of wheat cultivars to post-emergence wild oat herbicides 677
- Leys, A. R.  
See Lemerle, D. 677, 922
- Little, C. R.  
See Sharkey, P. J. 718
- Loader, L. R.  
See Armour, J. D. 458; Laurence, R. C. N. 954
- Lodge, G. M.  
Effects of grazing and haycutting on the yield and

- persistence of dryland aphid-resistant lucerne cultivars at Tamworth, New South Wales 138
- Lowe, K. F., Gramshaw, D., Bowdler, T. M., and Ludke, D. H.  
Performance of North American and Australian lucernes in the Queensland subtropics.  
2. Yield and plant survival in irrigated stands 82
- Lowe K. F.  
See Gramshaw, D. 76
- Ludke, D. H.  
See Lloyd, D. L. 91; Lowe, K. F. 82
- McCarthy, M. G.  
See Robinson, J. B. 231
- McCleod, R. W.  
Influence of root-knot nematodes on yield of tobacco in northern New South Wales 687
- McCloud, P. I.  
See Cole, P. J. 711; Potter, T. D. 178
- McDonald, R. M.  
See Reed, K. F. M. 351
- McDonald, W. J.  
See Kemp, D. R. 881
- McGuirk, B. J.  
See Haughey, K. G. 541
- McIvor, J. G.  
The growth of *Urochloa* accessions in grazed swards with *Stylosanthes* near Townsville, North Queensland 61
- McKinney, G. T.  
See Freer, M. 289
- McLoud, P. I.  
See Potter, T. D. 178
- Mailer, R. J., and Wratten, N.  
Comparison and estimation of glucosinolate levels in Australian rapeseed cultivars 932
- Manning, G. K.  
See Best, E. K. 863
- Margan, D. E., Graham, N. McC., and Searle, T. W.  
Energy values of whole lucerne (*Medicago sativa*) and of its stem and leaf fractions in immature and fully grown sheep 783
- Marshall, T.  
Effect of month of birth and first summer's nutrition on the productivity of Merino wethers 777
- Martin, P.  
See Davison, T. M. 241, 505
- Mason, M. G.  
Sulfur-coated urea as a source of nitrogen for cereals in Western Australia 913
- May, P. J.  
See Barker, D. J. 257, 270, 276
- Mayfield, A. H.  
Efficacies of fungicides for control of stem rust of wheat 440
- Melksham, K. J., and Munro, H. E.  
Residual 1,2-dibromoethane in mango, capsicum, passionfruit and papaw after fumigation against Queensland fruit fly, *Dacus tryoni* (Froggatt) 214
- Michell, P.  
See Fulkerson, W. J. 253
- Mercy, A. R.  
See Godfrey, N. W. 791
- Meyer, W. S.  
See Blackwell, J. 636
- Milkled, C.  
See Pearson, Craig J. 109
- Minson, D. J., and Bray, R. A.  
*In vivo* digestibility and voluntary intake by sheep of five lines of *Cenchrus ciliaris* selected on the basis of *in vitro* digestibility 306
- Morris, C. A.  
See Barker, D. J. 270, 276
- Muldoon, D. K.  
Summer forages under irrigation.  
1. Growth and development 392  
2. Forage composition 402  
3. The effect of nitrogen fertilizer on the growth, mineral composition and digestibility of a sorghum  $\times$  Sudangrass hybrid and Japanese barnyard millet 411  
4. The growth and mineral composition of forage legumes 417  
The effect of photoperiod on the growth and development of *Echinochloa* spp. millets 428
- Müller, W. J.  
See Salisbury, P. A. 133
- Munro, H. E.  
See Melksham, K. J. 214
- Murison, R. D.  
See Campbell, M. H. 672; Kemp, D. R. 881
- Newman, G. A.  
See Kaus, R. K. 727
- Nielsen, R. G. H.  
See Radford, B. J. 656
- Niven, D. R., and Pritchard, D. A.  
Effects of control of the sheep body louse (*Damalinia ovis*) on wool production and quality 27
- Norton, B. W., and Deery, M. J.  
The productivity of Angora goats grazing improved and native pastures in south-eastern Queensland 35
- Norton, B. W.  
See Whiteman, P. C. 481
- O'Brien, R. G.  
See Cameron, D. F. 444
- Ozanne, P. G.  
See Arnold, G. W. 117
- Payne, H. G.  
See Godfrey, N. W. 791
- Pearson, Craig J., Kemp, H., Kirby, A. C., Launder, T. E., and Milkled, C.  
Responsiveness to seasonal temperature and nitrogen among genotypes of kikuyu, paspalum and bermuda grass pastures of coastal New South Wales 109



- Peltzer, S., and Sivasithamparam, K.  
Soft-rot erwinias and stem rots in potatoes 693
- Perrin, E.  
See Carter, M. V. 939
- Petch, A., and Smith, R. W.  
Effect of lupin management on the yield of subsequent wheat crops in a lupin-wheat rotation 603
- Peterson, J. E.  
See Petterson, D. S. 434
- Petterson, D. S., Peterson, J. E., Smith, L. W., Wood, P. McR., and Culvenor, C. C. J.  
Bioassay of the contamination of lupin seed by the mycotoxin phomopsis 434
- Petterson, D. S.  
See Wood, P. McR. 164
- Philp, B.  
See Wicks, T. 465
- Ponzoni, R. W.  
See Kleemann, D. O. 750
- Potter, T. D., and McLoud, P. I.  
Evaluation of sunflower cultivars in South Australia 178
- Pritchard, D. A.  
See Niven, D. R. 27
- Radford, B. J., and Nielsen, R. G. H.  
Comparison of a press wheel, seed soaking and water injection as aids to sorghum and sunflower establishment in Queensland 656
- Rayner, C. J., and Langridge, D. F.  
Amino acids in bee-collected pollens from Australian indigenous and exotic plants 722
- Redden, R. J., Rose, J. L., and Gallagher, E. C.  
The breeding of navy and culinary beans in Queensland 470
- Reed, K. F. M., Schroder, P. M., Eales, J. W., McDonald, R. M., and Chin, J. F.  
Comparative productivity of *Trifolium subterraneum* and *T. yanninicum* in south-western Victoria 351
- Ridley, P. E. R.  
See Barker, D. J. 257, 270, 276
- Ridzwan Halim, N.  
See Whiteman, P. C. 481
- Robinson, G. C., and Dowling, P. M.  
Establishment and persistence of surface-sown and resident grasses using three pasture development methods in relation to three stocking managements 562
- Robinson, J. B., and McCarthy, M. G.  
Use of petiole analysis for assessment of vineyard nutrient status in the Barossa district of South Australia 231
- Rose, J. L.  
See Redden, R. J. 470
- Rossiter, R. C., Collins, W. J., and Klein, L.  
Winter growth and nutritive quality of serradella (*Ornithopus* spp.) 362
- Rovira, A. D.  
See Simon, A. 191
- Rudder, T. H., Seifert, G. W., and Burrow, H. W.  
Environmental and genotype effects on fertility in a commercial beef herd in central Queensland 489
- Rudder, T. H.  
See Wood, S. J. 745
- Russell, J. S.  
Soil treatment, plant species and management effects on improved pastures on a solodic soil in the semi-arid subtropics.  
1. Dry matter and botanical composition 367  
2. Cattle liveweight gains 380
- Saffigna, P. G.  
See White, P. J. 869
- Salisbury, P. A., Downes, R. W., and Müller, W. J.  
Relationship between resistance to blue-green aphid and to pea aphid in lucerne 133
- Saul, G. R., and Flinn, P. C.  
Effects of saline drinking water on growth and water and feed intake of weaner heifers 734
- Schmalzl, K. J.  
See Blowes, W. M. 347
- Schroder, P. M.  
See Reed, K. F. M. 351
- Searle, T. W.  
See Margan, D. E. 783
- Seifert, G. W.  
See Rudder, T. H. 489; Wood, S. J. 745
- Sharkey, P. J., Little, C. R., and Thornton, I. R.  
Effects of low-density polyethylene liners and high-density polyethylene wraps on quality, decay and storage life of lemon and tanger fruits 718
- Shepherd, R. K.  
See Armour, J. D. 458; Davison, T. M. 505, 515; Laurence, R. C. N. 954
- Sheridan, K. P.  
See Crocker, G. J. 337
- Simon, A., and Rovira, A. D.  
The influence of phosphate fertilizer on the growth and yield of wheat in soil infested with cereal cyst nematode (*Heterodera avenae* Woll.) 191
- Sivasithamparam, K.  
See Peltzer, S. 693; Wong, D. H. 574
- Smith, L. W.  
See Petterson, D. S. 434
- Smith, R. C. G.  
See Blackwell, J. 636
- Smith, R. S.  
See Kenney, P. A. 529
- Smith, R. W.  
See Petch, A. 603
- Stafford, J. E.  
See Kleemann, D. O. 750
- Stephenson, D. W.  
See Hill, S. J. 697
- Stirling, G. R., and Wachtel, M. F.  
Root-knot nematode (*Meloidogyne hapla*) on potato in south-eastern South Australia 455

- Stockdale, C. R., and King, K. R.  
Effects of autumn deferment of grazing on subsequent growth, botanical composition and quality of two types of irrigated pasture 47
- Stockdale, C. R., and Trigg, T. E.  
Effect of pasture allowance and level of concentrate feeding on the productivity of dairy cows in late lactation 739
- Strickland, R. W., Greenfield, R. G., Wilson, G. P. M., and Harvey, G. L.  
Morphological and agronomic attributes of *Cassia rotundifolia* Pers., *C. pilosa* L., and *C. trichopoda* Benth., potential forage legumes for northern Australia 100
- Sykes, S. R.  
Effects of seedling age and size on chloride accumulation by juvenile citrus seedlings treated with sodium chloride under glasshouse conditions 943
- Taylor, B. K.  
See Hill, S. J. 697
- Taylor, G. B.  
Effect of tillage practices on the fate of hard seeds of subterranean clover in a ley farming system 568
- Thornton, I. R.  
See Sharkey, P. J. 718
- Toleman, M. A.  
See Fordyce, G. 283
- Trigg, T. E.  
See Stockdale, C. R. 739
- Turner, J. W.  
See Lloyd, D. L. 91
- Tyler, R.  
See Fordyce, G. 283
- Vallis, I., and Gardener, C. J.  
Effect of pasture age on the efficiency of nitrogen fixation by 10 accessions of *Stylosanthes* spp. 70
- Vallis, I.  
See White, P. J. 869
- Wachtel, M. F.  
See Stirling, G. R. 455
- Walker, S. R.  
See Bateman, R. J. 927
- Watson, M. J., and Egan, K. J.  
Protein and roughage supplements for pregnant and lactating ewes fed wheat for survival 771
- Weeldenberg, J.  
See Arnold, G. W. 824
- Weir, R. G.  
See Haddad, K. S. 856
- White, P. J., Saffigna, P. G., and Vallis, I.  
Effect of stubble management during different fallow periods on nitrogen nutrition of wheat on an irrigated black earth 869
- Whiteman, P. C., Ridzwan Halim, N., Norton, B. W., and Hales, J. W.  
Beef production from three tropical grasses in south-eastern Queensland 481
- Whiteman, P. C.  
See Wijnberg, Catherine 796
- Wickes, R. B.  
See Cochrane, M. J. 326
- Wicks, T., and Lee, T. C.  
Effects of flooding, rootstocks and fungicides on *Phytophthora* crown rot of almonds 705
- Wicks, T., and Philp, B.  
Effects of iprodione and vinclozolin seed treatments on germination, emergence and plant growth in onion 465
- Wijnberg, Catherine, and Whiteman, P. C.  
Effects of stocking rate of goats and stage of crop growth when grazed on grain yield and goat production from pigeonpea (*Cajanus cajan*) 796
- Willatt, S. T.  
See Cooke, J. W. 614
- Williams, G.  
See Fordyce, G. 283
- Wilson, G. P. M.  
See Strickland, R. W. 100
- Wolfe, E. C.  
See Hall, D. G. 758
- Wong, D. H., Barbetti, M. J., and Sivasithamparam, K.  
Fungi associated with root rot of subterranean clover in Western Australia 574
- Wood, I. M.  
See Lambourne, L. J. 169
- Wood, P. McR., and Petterson, D. S.  
A survey of *Phomopsis leptostromiformis* infection of lupin seed in Western Australia: 1976-81 164
- Wood, P. McR.  
See Petterson, D. S. 434
- Wood, S. J., Rudder, T. H., Seifert, G. W., and Hodge, P. B.  
Growth to 12 months of age of Hereford and Africander x Hereford crossbred cattle in central Queensland 745
- Wratten, N.  
See Mailer, R. J. 932
- Wythes, J. R., Kaus, R. K., and Newman, G. A.  
Bruising in beef cattle slaughtered at an abattoir in southern Queensland 727
- Yeates, Stephen J.  
See Hill, Michael J. 818
- Zorin, Margaret  
See Dear, B. S. 124